



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H141534

Mode: Highway

Status: Submitted

US-17 BUS , US-17 BYP (Market Street, Wilmington Bypass)

From/Cross Street: US 17 Business & US 17 Bypass interchange

Specific Improvement Type: 8 - Improve Interchange

To:

Project Category: Statewide Mobility

Length: 2

TIP#:

Fully Funded in Draft STIP? No

Cost to NCDOT: \$8,370,000

Description:

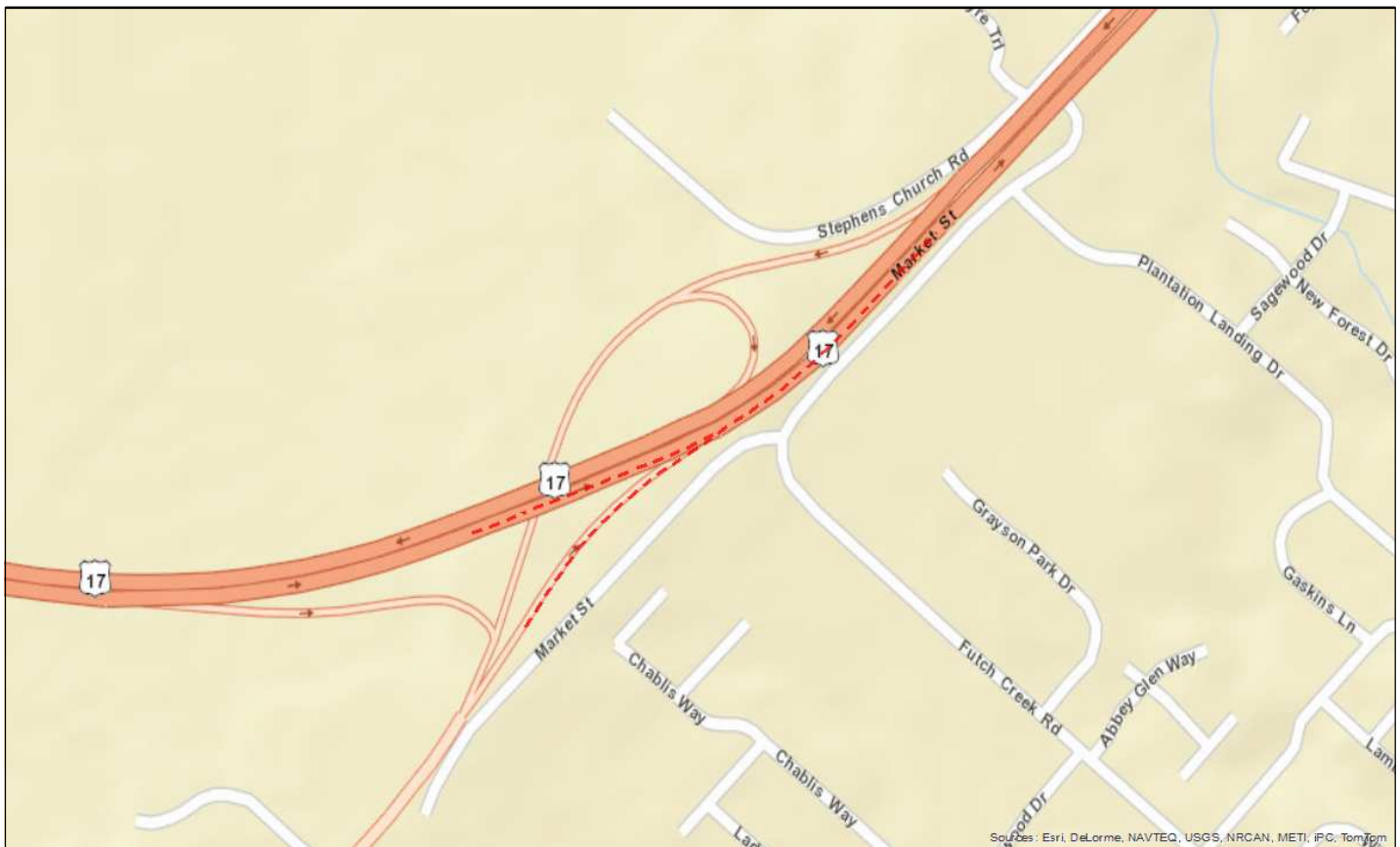
Reconfigure ramps & add multi-lane northbound ramp from US 17 Business onto US 17.

Division(s): Division 3

County(s): NEW HANOVER

MPOS(s)/RPO(s): Wilmington Urban Area MPO

Project Location



Statewide Mobility Total Score: 24.97

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (30%) 48.43 Safety (10%) 50.00 Economic Competitiveness (10%) 0.24 Multimodal + [Freight & Military] (20%) 26.57 [Travel Time] Benefit/Cost (30%) 0.35	N/A	N/A
Totals: Weight: 100% Weighted Score: 24.97		

Regional Impact Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Safety (25%) 50.00 Multimodal + [Freight & Military] (25%) 26.57 [Travel Time] Benefit/Cost (20%) 0.35	Percent: 15% Points:	Percent: 15% Points:
Totals: Weight: 70% Weighted Score: 19.21		

Division Needs Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 48.43 Safety (20%) 50.00 Multimodal + [Freight & Military] (10%) 26.57	Percent: 25% Points:	Percent: 25% Points:
Totals: Weight: 50% Weighted Score: 22.34		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	45
Length (miles);	2
Facility Type:	Freeway
Access Control:	Full
Functional Classification:	Other Principal Arterial- Other Freeway
Terrain Type:	Level
Lane Width:	12
Paved Shoulder Width:	4
Roadway has Curb & Gutter?	No
Volume (AADT):	54079.36
Capacity:	121073.75
Volume/Capacity Ratio:	0.45
% Autos:	94%
% Trucks:	6%
Truck Volume:	3080.31
Crash Density:	0
Crash Severity:	0
Critical Crash Rate:	0
Crash Frequency:	33.3
Severity Index:	66.7
County Tier Designation:	3
Non-Interstate STRAHNET Route?	Yes
Average Commuting Time:	22
Existing Median Type (for Cost Estimation):	Divided
Pavement Condition Rating:	95
Actual Congested Speed:	53.45
Travel Time Index:	1.22

Project Benefits

Project Cross-Section:	
Speed Limit:	45
Length (miles):	2
Facility Type:	Freeway
Access Control:	Full
Functional Classification:	Other Principal Arterial- Other Freeway
TerrainType:	Level
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	129000
Travel Time Savings for 30 Years (Autos):	121652.29
Travel Time Savings for 30 Years (Trucks):	7347.71
Long-Term Employment:	2.07
% Change in Economy:	2.79E-06
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	No
In CTP or LRTP?	No
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Division 3

* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT On!line tool and associated databases.

Project Ownership**Division**

Division	Percent	Regional Impact	Division Needs
Division 3	100%	0	0
	0%	0	0
	0%	0	0
TOTAL Division Points		0	0

MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
Wilmington Urban Area MPO	100%	0	0
	0%	0	0
	0%	0	0
TOTAL MPO/RPO Points		0	0

Project Cost and Source

Construction Cost:	\$6,750,000	Cost Estimation Tool
Right-of-Way Cost:	\$1,620,000	Cost Estimation Tool
Utilities Cost:	\$0	Cost Estimation Tool
Total Project Cost:	\$8,370,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$8,370,000	